

SHARKOVSKIY, A.M., inzh: ZINKOVSKIY, B.D., inzh.

Using cutting-depth limiters on bulldozer blades. Stroi.i  
dor.mashinostr. 3 no.10:22-23 0 '58. (MIRA 11:11)  
(Bulldozers)

16.4000

16.6500

AUTHOR: Sharkovskiy, A.N.

TITLE: Necessary and Sufficient Conditions for the Convergence of One-Dimensional Iteration Processes

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, 1960, Vol. 12, No. 4,  
pp. 484 - 489

TEXT: Let an iteration process  $x_i = f(x_{i-1})$  be defined by the continuous function  $f(x)$ . Let  $f_k(x) = f_{k-1}f(x)$ . If  $f_k(\alpha) = \alpha$ , but  $f_i(\alpha) \neq \alpha$  for  $i < k$  then  $\alpha$  is a fixed point of  $k$ -th order of the process  $f(x)$ . If  $\alpha$  is a fixed point ( $k = 1$ ) and if  $\lim_{n \rightarrow \infty} f(x_n) = \alpha$ , where  $x_{n+1} \neq x_n$  then  $\alpha$  is

an attracting fixed point, otherwise  $\alpha$  is a repelling fixed point.  
Analogous definitions hold for  $k \neq 1$ . The region of attraction of an iteration process for the attracting fixed point  $\alpha$  is the simply connected region each point of which generates an iteration sequence converging to  $\alpha$ .

Lemma 1 : If an iteration process defined by a continuous function  $f(x)$  has a fixed point of the order  $k > 2$  then it has a fixed point of the order  $k-1$ .  
Card 1/4

88310

S/041/60/012/004/011/011  
C111/C222

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Necessary and Sufficient Conditions for the Convergence of One-Dimensional Iteration Processes

$1 < l < k$ .  
Theorem 1 : Let an iteration process given by continuous  $f(x)$  have the attracting fixed point  $\alpha$ . In order that every point of a region containing  $\alpha$  generates an iteration sequence converging to  $\alpha$ , it is necessary and sufficient that the region contains no zeros of  $x - f_2(x)$  and  $f(x) - f_2(x)$  for which  $f(x) \neq \alpha$ .

For the proof the author uses

Theorem 2 : Let the function  $f(x)$  which defines the iteration process be continuous and let  $a < f(x) < b$ . In order that the iteration sequence generated by an arbitrary point of the interval always converges to the same limit value, it is necessary and sufficient that  $x - f_2(x)$  has a single zero on  $(a, b)$ .

Theorem 1a : The iteration sequence defined by continuous  $f(x)$  and an arbitrary point of a certain interval which contains an attracting fixed point, converges to this point then and only then if the interval contains a single zero of  $x - f_2(x)$  and no zeros of  $f(x) - f_2(x)$  in the neighborhood.

Card 2/4

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## Necessary and Sufficient Conditions for the Convergence of One-Dimensional Iteration Processes

hood of which there exists  $f'(f(x))$  and is  $\geq 1$ .  
Theorem 1a is equivalent to theorem 1. A further equivalent wording is contained in theorem 1b.  
Theorem 3 : Let  $\varphi(x)$  be continuously differentiable. In order that the iteration sequence of the Newton's process

$$F(x) = x - \frac{\varphi(x)}{\varphi'(x)} \text{ generated}$$

by an arbitrary point of a certain interval which contains a zero of  $\varphi(x)$ , converges to the mentioned zero, it is necessary and sufficient that on the whole interval it holds

$$\frac{\varphi\left(x - \frac{\varphi(x)}{\varphi'(x)}\right)}{\varphi(x)} + \frac{\varphi'\left(x - \frac{\varphi(x)}{\varphi'(x)}\right)}{\varphi'(x)} > 0$$

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C111/C222

Necessary and Sufficient Conditions for the Convergence of One-Dimensional  
Iteration Processes

The author mentions V.M. Dubrovskiy and L.V. Kantorovich.  
There are 6 references : 5 Soviet and 1 Italian.

SUBMITTED: June 9, 1960

Card 4/4

SHARKOVSKIY, A. N.

Cand Phys-Math Sci - (diss) "Several problems of the theory of unidimensional iteration processes." Kiev, 1961. 5 pp; (Joint Academic Council of Institutes of Mathematics, Physics, and Metallophysics Academy of Sciences Ukrainian SSR); 170 copies; price not given; (KL, 10-61 sup, 206)

S/041/61/013/002/005/007  
B112/B203

25177

16.6500

AUTHOR:

Sharkovskiy, A. N.

TITLE:

Quickly converging iteration processes

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 13, no. 2, 1961,  
210-215

TEXT: The author derives two theorems on iteration processes: Theorem (1): If  $f'(x) \neq 1$  holds for the fixed points of an iteration process which is represented by a  $2N + 1$  times differentiable function  $f(x)$ , then the iteration process:  $F(x) = F_N(x) + [f(x) - x]^{N+1} r(x)$  (4),  $F_N(x) = x$

$$+ \sum_{i=1}^N A_i(x) \frac{[f(x) - x]^i}{i!}, \quad A_i(x) = -\frac{1}{f'(x) - 1} A_{i-1}(x), \quad A_0(x) = x,$$

where  $r(x)$  is an arbitrary function differentiable  $(N + 1)$  times at least in a certain neighborhood of the fixed points of  $f(x)$ , converts the fixed points of  $f(x)$  into "points of attraction", so that

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25177  
Quickly converging iteration...

S/041/61/013/002/005/007  
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$\phi(x) = 1 + \sum_{i=2}^N \frac{A'_{i-1}(x)\varphi^{i-1}(x)}{i!} - \varphi^N(x)\varphi'(x)r(x)$ . The author defined the term "attraction" in UMZh, v. 12, no. 4, 1960. There are 5 Soviet-bloc references.

SUBMITTED: August, 18, 1960

X

Card 3/3

*16.4600*27672  
S/041/61/013/003/005/010  
B112/B125AUTHOR: Sharkovskiy, A. N.

TITLE: Solution of a class of functional equations

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 13, no. 3, 1961, 86-94

TEXT: The author investigates functional equations of the form:  
 $\Phi(x, f(x), f(\varphi(x))) = 0$ .  $\Phi$  and  $\varphi$  are known functions,  $f$  is the required function. The domain of definition is the real number line. The author distinguishes three classes of equations (1) according to the type of the kernel function  $\varphi$ : 1) the kernel contains no stationary points. 2) The kernel contains not more than a countable set of stationary points. 3) The kernel contains only stationary points. In case 3) the solution of the functional equation (1) is reduced to the solution of a system of ordinary (algebraic or transcendental) equations. In case 1) the result is obtained by an iterative method similar to the method of successive approximations of solutions of differential equations. In case 2) the domain of definition of  $\varphi(x)$  can be divided into not more than a countable number of number sets  $M_i$  ( $i = 0, 1, 2, \dots$ ) in such a way that  $\varphi(M_i) \subseteq M_i$

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B112/B125

Solution of a class of functional ...

holds. For each of these sets  $M_i$  equation (1) can be solved step by step with the exception of  $M_0$ .  $M_0$  is the closure of the set of the isolated stationary points and the points that pass into such isolated stationary points. The theoretical considerations of the author are illustrated by some simple examples. N. M. Gersevanov (DAN SSSR, XXXI, No. 9, 1951) is mentioned. There are 5 Soviet references.

SUBMITTED: March 13, 1961, Kiyev

Card 2/2

SHARKOVSKIY, A.N.

Reducibility of a continuous function of a real variable and  
the structure of the stationary points of the corresponding  
iterative process. Dokl. AN SSSR 139 no.5:1067-1070 Ag.  
'61. (MIRA 14:8)

1. Institut matematiki AN USSR. Predstavлено академиком  
N.N. Bogolyubovym.  
(Functions of real variables)  
(Approximate computation)

L 20315 EWT(d) IJP(c)/ASD(a)..5/AFETR/AFWL/ASD(d)/ESD(dp)/ESD(t)/RAEM(t)  
ACCESSION NR: AP4048314 S/0021/64/000/007/0865/0868

17

AUTHOR: Sharkova'ky'y, O. M. (Sharkovskiy, A. N.)

TITLE: Non-straying points and the center of continuous mapping of a straight  
line onto itself

SOURCE: AN UkrRSR. Dopovidi, no. 7, 1964, 865-868

TOPIC TAGS: dynamic systems theory, semigroup, continuous mapping, continuous  
mapping semigroup, topological mapping, differential equation

Abstract: In this article use is made of several concepts in the theory of  
dynamic systems for the study of semigroups of continuous mapping. The  
theory of dynamic systems is related to the study of topological mapping of  
a space onto itself and is a means for the qualitative study of differential  
equations. A similar theory developed for continuous mapping provides, in  
addition, a method for studying so-called "functional equations of iteration."

ASSOCIATION: Insty\*tut matematy\*ky\* AN URSR (Mathematics Institute, AN URSR)

Card 1/2

SHARKOVSKIY, A.N.

Attracting and attractable sets. Dokl. AN SSSR 160 no. 5. 103c-1038  
(VINITI 13:2)  
F '65.

1. Submitted September 21, 1964.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0

SHARKOVSKY, A.N., (Kiyev)

Cycles and structure of continuous mapping. Ukr. mat. zhur. 17  
no.3:104-111 '65. (MIRA 18:6)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

SHARKOVSKIY, A.N. [Sharkovs'kyi, O.M.]

Continuous mapping on a set of  $\omega$ -limit points. Dop. AN  
USSR no.11:1407-1410 '65. (MIR 18:12)

1. Institut matematiki AN UkrSSR.

SHARKOVSKIY, A.N. (Kiyev)

A way of classification of fixed points. Ukr. mat. zhur. 37  
no. 5:80-95 '65. (MIRA 18612)

1. Submitted March 5, 1965.

SHAROVSKII, I. A.

"Local Vitamin Therapy for Spring Catarrh," Vest. Oftalmol., 27, No. 3, 1948. Clinic  
Eye Diseases, Northern Osetinsk State Med. Inst., -cl948-.

SHARKOVSKIY, I. A.

35584 Trakhoma V severnoy osetii i bor'ba s neyu. Trudy sev.-oset.  
gos. med. in-ta, vyp. 4, 1949, c. 134-43

SO: Let'opis' Zhurnal'nykh Statey, Vol. 45, 1949

CHAPIONSKII, . A.

355,1 Klinicheskaya Kartina Leylovidnoy plazg. Brady re...osen. nos. med. in-ta, VTP.  
v, 1940, N. 186-37

SC: Letopis' Zhurnal'zh Stately, Vol. 15, 1940

СИЛЮНДЖИЕВА, Г. А.

35503 O lechenii Mylovidkoy plevy. Trudy sev.-oset. Gos. Med. In-ta, Vyp. 4, 1949,  
G. 116-53-Biblio. p. 31 Nasv

SO: Letopis' zhurnal'nykh Statей, Vol. 45, 1949

DRAGO VUKIĆ, ... A.

35A2 Help org. material . . . ope o nre hr leidendele . . . Prod. nov.-eset.  
Dest. Med. En-ta, Vol. 4, 1949, C. 18-ml-Bibliogr: 40 Kazv

SO: Octopus! Zhurnal'na Stacii, Vol. 45, 1949

SHCHERBINA, T. A.

353. Kharakteristika boevykh povrezhdenii organa zreniya v velikoy otechestvennoy voyno. Trudy sovetsk. les. Med. in-ta, Vyp. 4, 1949, C. 192-25

SO: Letopis' Glavnal'nogo Sanae., Vol. 5, 1949

*SHARKOVSKIY, I.A.*

SHARKOVSKIY, I.A., professor; SADIKOV, I.F., vrach; MURAV'YEVA, K.A.,  
vrach; IB'INA, A.A.; TROITSKAYA, O.A.

Control of ocular trauma in machine shops. Vest. oft. 33 no.3:  
3-5 My-Je '54. (MLRA 7:6)

(EYE, wounds and injuries,

\*prev. in machine shop workers)

(WOUNDS AND INJURIES,

\*eye, prev. in machine shop workers)

(OCCUPATIONAL DISEASE,

\*eye inj. in machine shop workers)

SHARKOVSKIY, I.A., prof.

Problem of fungus keratitis; corneal aspergillosis [with summary in English]. Vest.oft. 72 no.1:26-30 Ja-F '59. (MIRA 12:2)

1. Zaveduyushchiy kafedroy glaznykh bolezney Stalingradskogo meditsinskogo instituta.

(ASPERGILLOSIS, case reports,

cornea (Rus))

(CORNEA, dis.

aspergillosis (Rus))

SHARKOVSKIY, I.A., prof.; KULIKOV, I.A., kand.med.nauk, ZHUKOVA, I.V.,  
vrach; MURAV'YEVA, K.A., vrach

Detection of glaucoma among workers of the Stalingrad Tractor  
Plant and the "Krasnyi Oktiabr'" Metallurgical Plant. (Stalin-  
grad). Vest. oft. no.4:3-4 '61. (MIRA 14:11)

1. Kafedra glaznykh bolezney (zav. - prof. I.A. Sharkovskiy)  
Stalingradskogo meditsinskogo instituta.  
(GLAUCOMA) (VOLGOGRAD--MACHINERY INDUSTRY--HYGIENIC ASPECTS)

SHARFOVSKIY, V. P. and LEONT'YEV, L. A.

Sharkovskiy, V. P. and Leont'yev, L. A.: "The physical-mechanical properties  
of the tea leaf and changes due to processing", Byulleten' Vsesoyuz, nauch.  
-issled. in-ta chaya i subtrop. kul'tur, 1948, No. 4, p. 122-34.

So: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0

SHARKOWSKA, Ludmila

Oxidation-reduction levels of ubiquinone (coenzyme Q). Postepy  
biochem. 10 no.1:77-91 '64.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

ACC NR: AP7009117

(A) SOURCE CODE: UR/0413/67/000/003/0107/0107

INVENTOR: Gal'pern, D. Yu.; Nefedov, B. L.; Sharkunov, I. V.

ORG: None

TITLE: A nonocular optical system for observation and sighting. Class 42, No. 191162

SOURCE: Izobreteniya, promyshlennye obraztsy, tovarnyye znaki, no. 3, 1967, 107

TOPIC TAGS: optic instrument, telescopic equipment, optic detection

ABSTRACT: This Author's Certificate introduces a nonocular optical system for observation and sighting. The installation contains an objective lens, a compound erecting lens and a collector in direct proximity to the image surface. Correction for the curvature of the image surface is provided by using a negative and a positive component in the erecting lens. The negative component is used for matching the entrance pupil of the erecting lens to the exit pupil of the objective lens and has a power 20% greater in absolute value than the combined power of the other components.

Card 1/2

UDC: 535.821.1

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0

OSIPOV, A.D., inzh.; SHARKUNOV, S.V., inzh.

Experimental studies of the function of the precast prestressed  
buttress of a dam. Energ. stroi. no.20:53-56 '61. (MIRA 15:1)

1. Gidroproyekt.

(Prestressed concrete)  
(Sinyachikha Hydroelectric Power Station--Dams)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

SHARLANDZHIEV, S.

Kinetics and stability of the oxidized derivatives of paraphenylenediamine.  
Doklady BAN 15 no.8:837-840 '62.

1. Nauchno-issledovatel'skiy institut po kinematografii i radio,  
Sofiya. Predstavлено акад. D. Ivanovym.

SHARLANDZIYEV, S.P.; CHEL'TSOV, V.S.

Reactivity of nondiffusing components of the quantitative  
energy of the activation of color development. Zhur. nauch. i pri  
prikl. fot. i kin. 3 no.2:117-119 Mr-Ap '58. (MIRA 11:5)

1.Kinofotoinstitut Ministerstva kul'tury Narodnoy Respubliki  
Bulgarii i Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut.  
(Color photography)

S/081/61/000/020/078/089  
B148/B110

AUTHORS: Sharlandzhiyev, S. P., Chel'tsov, V. S.

TITLE: Characterization of the reactivity of nondiffusing components by the value of the activation energy of a color development process

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 389, abstract 20L426 (Tr. Vses. n.-i. kinofotoin-ta, no. 29, 1959, 24 - 32)

TEXT: The linear dependence of the logarithm of the rate of color development on the reciprocal value of absolute temperature was experimentally found in the temperature range between 10° and 25°. For characterizing the photographic activity of color components, the values of activation energy in the color development of three-layer films were determined with different color developers consisting of n-phenylene diamine derivatives. It was established that the activation energy values of the color development reaction vary with the degree of activation, qualitatively found by photographic methods, of developers and color components. [Abstracter's note: Complete translation]

Card 1/1

POPOV, V.V., RUKAVISHNIKOV, Yu.M., SHARLAT, Ye.S.

Development of the cornea from X-irradiated skin. Nauch.dokl.vys.  
shkoly;biol.nauki no.1:49-55 '58 (MIRA 11:8)

1. Predstavlena kafedroy embriologii Moskovskogo gosudarstvennogo  
universiteta im. M.V. Lomonosova.  
(X RAYS--PHYSIOLOGICAL EFFECT)  
(CORNEA--TRANSPLANTATION)

MALASHENKO, I.N., starshiy chaban; SHARLAY, I.N., chaban; PAVLOV, A.S., chaban;  
BYCHKOV, I.I., chaban

Seven-year plan of our shepherds' brigade. Nauka i pered. op. v  
sel'khoz. 9 no.4:5-7 Ap '59. (MIRA 12:6)

1.Kolkhoz imeni Stalina Nevinnomyskogo rayona.  
(Stavropol Territory--Sheep)

SHARLAY, I.V.; PANTELEYEVA, M.N.; YANKOVSKAYA, Ye.G.; ZHDANOVA, L.V.

Clinical and epidemiologic observations of recurrent scarlet fever.  
Pediatriia 39 no.4:14-17 Jl-Ag '56. (MIRA 9:12)

1. Iz Leningradskogo pediatricheskogo meditsinskogo instituta (dir. -  
prof. N.T.Shutova) i kafedry detskikh infektsionnykh bolezney (zav. -  
prof. M.G.Danilevich)

(SCARLET FEVER, ther.

penicillin, prev. of recur.)

(PENICILLIN, ther. use

scarlet fever, prev. of recur.)

SHARLAY, I.V.

Staphylococcal infection with a complex of symptoms resembling scarlet fever [with summary in English]. Pediatrilia 36 no.2:48-51 F '58.  
(MIRA 11:3)

1. Iz kafedry infektsionnykh detskikh bolezney Leningradskogo  
pediatricheskogo meditsinskogo instituta (dir. - prof. N.T.Shutova)  
(STAPHYLOCOCCUS)

SHARLAY, I.V.

Problem of staphylococcal infections in the scarlet fever  
ward. Pediatriia 38 no.9:88-91 S '60. (MIRA 13:12)

1. Iz kafedry infektsionnykh bolezney u detey (zav. - dotsent  
A.T. Kuz'micheva) Leningradskogo pediatricheskogo meditsinskogo  
instituta (dir. - prof. N.T. Shutova).  
(SCARLET FEVER) (STAPHYLOCOCCAL INFECTIONS)

SHARLAY, I.V.; MOZOSENKO, M.A.; GRINVAL'D, R.A.

Epidemiological and clinical description of epidemic diseases caused  
by ECHO 7 virus. Vop. okh. mat. i det. 6 no. 7:57-61 Jl '61.  
(MIRA 14:8)

1.Iz kafedry detskikh infektsiy (zav. A.T.Kuz'micheva) Leningradskogo  
meditsinskogo pediatriceskogo instituta (dir. Ye.P.Semenova) i  
virusologicheskoy laboratorii Vsesoyuznogo instituta eksperimental'noy  
meditsiny (zav. otdelom A.A.Smorodintsev).  
(VIKUS DISEASES)

SHARIAY, I.V.; IVANOVA, I.N.; BAKHTIN, Yu.K.

Pathogenesis of recurrent infectious hepatitis in children. Vop.  
okh.mat.i det. 8 no.3:ll-15 Mr '63. (MIRA 16:5)

1. Iz kafedry infektsionnykh bolezney u detey (zav. - prof.  
A.T. Kuz'micheva) Leningradskogo pediatriceskogo meditsinskogo  
instituta (dir. Ye.P. Semenova).  
(HEPATITIS, INFECTIOUS)

1961/9, LVI, p. 1000VA, n. 127, 1961/9, p. 1000

Wzór potwierdzenia rezygnacji z polityki gospodarczej (LVI, 1961/9,  
Wz. odk. mat. i obr. R. 1961/9, 11/163, 1961/9, 11/163)

I. Iz. Kufedry deyzekh referatelorunykh bialeney tura, prof.  
w.t. kulfard wu - ogranichennoj pedagogicheskogo meditelskogo  
Instituta.

SHARLAY, I.V.; MONOZENKO, M.A.; TAL'VIK, E.I.

Etiology of the anicteric forms of hepatitis in children.  
Sov. med. 28 no.6:38-42 Je '65. (MIRA 18:8)

1. Kafedra infektsionnykh bolezney u detey (zav.- prof. A.T. Kuz'micheva, Leningradskogo pediatriceskogo meditsinskogo instituta i otdel virusologii (zav.- prof. A.A. Smorodintsev) Instituta eksperimental'noy meditsiny AMN SSSR.

SHARLAY, I.V.; ZHAGULLO, Ye.I.; ZAKHAROVA, L.A.; NIKITINA, I.I.

Use of aminokrovin in Botkin's disease in children. Sov.  
med. 28 no.10:48-52 O '65. (MIRA 18:11)

1. Kafedra infektsionnykh bolezney u detey (zav.- prof.  
A.T. Kuz'micheva) Leningradskogo pediatricheskogo meditsinskogo  
instituta.

SHARLAY, L.N., kand.med.nauk

Preoperative use of radioiodine for patients with severe thyrotoxicosis.  
Vrach.delo no.11:1137-1139 N'58 (MIRA 12:1)

1. Kafedra khirurgii (zav. - prof. G.M. Gurevich) Kahr'kovskogo  
meditisnskogo stomatologicheskogo instituta.  
(IODINE-ISOTOPES)  
(THYROID GLAND-DISEASES)

SHARLAY, R.I.

DECEASED  
c 1960

1961/I

See IIc

MEDICINE

S/0051/64/016/004/0713/0714

ACCESSION NR: AP4032880

AUTHOR: Baranov, R.I.; Krylov, K.I.; Sharlay, S.F.

TITLE: Persistent afterglow of ruby crystals after irradiation with powerful light flashes

SOURCE: Optika i spektroskopiya, v.16, no.4, 1964, 713-714

TOPIC TAGS: phosphorescence, ruby phosphorescence, ruby afterglow, leucosapphire phosphorescence, ruby, leucosapphire, corundum

ABSTRACT: Although there have been many investigations of ruby crystals with different Cr<sub>2</sub>O<sub>3</sub> concentrations, until recently there have been no studies of the persistent afterglow (phosphorescence) of such crystals. A.F.Gabrysh, H.Eyring, V.Lebre and M.D.Evast (J.Appl.Phys.33,3389,1962) describe the phosphorescence of corundum and ruby crystals at 77°K after gamma irradiation. P.W.Levy (Phys.Rev.123, 1226,1961) reported observing afterglow in connection with investigation of defects formed in corundum crystals as a result of neutron and gamma-ray irradiation. The present brief note outlines the results of observation of phosphorescence type afterglow in corundum and ruby crystals not subjected to preliminary gamma-ray irradiation.

Card 1/2

SHARLE, D. L.

Jun 53

USSR/Electricity - Literature Cables

"Review of N. Kh Golimbiyevskiy's and L. I. Macheret's Book 'Osvintsevaniye Kabeley' (Lead Sheathing of Cables)" (Engrs D. L. Sharle, R. M. Lakernik, reviewers)

Elektrichestvo, No 6, p 96

Reviewer calls Golimbiyevskiy's and Macheret's book (136 pp, Gosenergoizdat, 1952) a much-needed book for technology of cable production, but notes defects, including insufficient coverage of lead sheathing of communications and rubber-insulated cables and lack of attention to economy of elec power in pressing

CHARLES M. L.

AID P - 3265

Subject : USSR/Electricity

Card 1/1 Pub. 27 ~ 20/25

Authors : Sharle, D. L., and R. M. Lakernik, Engs.

Title : Polyethylene as material for cable sheathing (Review of foreign periodicals)

Periodical : Elektrichestvo, 9, 81-83, S 1955

Abstract : The author summarizes three articles from American periodicals describing the three polyethylene moistureproof materials: "alpeth", "stalpeth", and "lepeth" (Aluminum, - Steel-Aluminum and Lead-Polyethylene). One drawing, 3 American references, 1951-1954.

Institution : None

Submitted : No date

GRODNEV, Igor' Izmaylovich; LAKERNIK, Rafaill Moiseyevich; SHARLE, David Leonidovich; YEFIMOV, I.Ye., redaktor; LINKOV, A.V., redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor

[Fundamentals of the theory and the production of communication cables] Osnovy teorii i proizvodstvo kabelei sviazi. Moskva, Gos. energ. izd-vo, 1956. 480 p.  
(MLRA 9:11)  
(Electric cables)

SHARLE, D.L., inzhener; LAKERNIK, R.M., kandidat tekhnicheskikh nauk.

Communication cables with polyethylene insulation. Vest.elektroprom.  
27 no.1:65-69 Ja '56. (MLRA 9:6)

1.Nauchno-issledovatel'skiy institut kabel'noy promyshlennosti Ministerstva  
elektropromyshlennosti (for Sharle).2.Zavod "Moskabel'" Ministerstva  
elektropromyshlennosti (for Lakernik).  
(Electric cables)(Electric insulators and insulation)

SHARLE, D.L., inzhener; LAKERNIK, R.M., kandidat tekhnicheskikh nauk.

Transatlantic telephone cable. Vest.elektroprom. 27 no.3:  
72-75 Mr '56. (MLRA 9:12)

1. Zavod "Moskabel'" Ministerstva elektropromyshlennosti.  
(Cables, Submarine)

02/4/12 2) D  
LAKERNIK, R.M., kand. tekhn. nauk; SHARLE, D.L., inzh.

Coaxial cables. Vest. elektrprom. 27 no.8:71-75 Ag '56. (MLRA 10:9)

1. Zavod "Moskabel'" Nauchno-issledovatel'skogo instituta kabel'noy  
promyshlennosti.

(Coaxial cables)

8(0)

SOV/112-59-2-2437

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 23 (USSR)

AUTHOR: Sharle, D. L.

TITLE: Brief Information on Modern Foreign Cables

(Kratkiye soobshcheniya o novoy zarubezhnnoy kabel'noy tekhnike)

PERIODICAL: Kabel'n. tekhnika, 1957, Nr 1-2, pp 86-88

ABSTRACT: A horizontal-type machine for twisting communication-cable wires in spiral fours, built by the Swiss Maillefer Company, has a stationary pay-off mechanism. Pay-off coil frames are bracketed to an upright and rotate only around their axes in the process of untwisting the wires. The twisting machine makes 230 rpm. Quadding is attained by rotating a special frame, carrying a traction wheel and a take-up coil, around the twisting axis. The same company builds presses for laying plastic insulation on wires and cables; the presses have a wormscrew diameter of 40-150 mm, 15-300 kg/hr capacity, 0.6-5.2-ton weight. The electric drive is 2.2-48.5 kw, and the electric heating takes

Card 1/3

SOV/112-59-2-2437

Brief Information on Modern Foreign Cables

Oil-volume variations are compensated by an elastic deformation of the flat side of the lead sheathing. The cable is impregnated after it has been lead-covered. The cable is armored by a number of bronze tapes. The insulating paper is 0.06-mm thick next to the conductor and 0.12-mm at the top of the insulation layer. The electric-field strength is 12.5 kv/mm; for a 33-kv cable, it is 7.5 kv/mm, and for a 132-kv cable, 8.5 kv/mm; in the latter case, the strength can be raised to 10.0 kv/mm by using a semiconducting paper shield.

D. L. Sh.

Card 3/3

Methods of perfecting the production of urban telephone  
cables. (Cont.)

<sup>388</sup>  
minium/cable as a whole is equal to that of copper cored and  
is only half the weight if a lead sheath is used in connection  
with the copper.

Two main methods are used to insulate the conductors of  
urban telephone cables; either spirally wound paper tape or  
paper pulp insulation. Paper pulp has a number of advantages;  
labour costs and raw material costs are lower so that total  
insulation costs of a cable are only a third of what they are  
when paper tape is used. The electric strength of the paper  
pulp insulation is better than that of paper tape insulation.  
Paper pulp insulation can only be made on a large scale  
because it is desirable that the machines should work continu-  
ously day and night. It is necessary to establish the best  
relationship between the two components of paper pulp which  
are kraft-cellulose and waste cable and telephone paper.

The use of polyethylene for insulating the wires of urban  
telephone cables is of interest.

The present Soviet practice is to twist insulated wires  
only in pairs, but there are many advantages in twisting them  
together in fours. Before this can be done the technical  
requirements of the Ministry of Communications in respect of  
communications factor must be relaxed. Soviet practice is to  
make up cables in successive concentric layers. It would be  
advantageous to twist up bundles of 50 or 100 pairs which are

LINKOV, Aleksandr Vladimirovich.; SHARLE, D.I., red.; BORUNOV, N.I., tekhn. red.

[Electric cables for excavating machinery.] *Ekskavatornye kabeli.*  
Moskva, Gos. energ. izd-vo, 1958. 93 p. (MIRA 11:10)  
(Electric cables)  
(Excavating machinery--Electric equipment)

5(3)

PHASE I BOOK EXPLOITATION

SOV/2110

Lakernik, Rafail Moiseyevich, and D.L. Sharle

Polietilen i yego primenenije v kabel'noy tekhnike (Polyethylene and Its Application in Cable Technology) Moscow, Gosenergoizdat, 1958.  
142 p. 3,150 copies printed.

Ed.: A.S. Fridman; Tech. Ed.: G.I. Matveyev.

PURPOSE: The book is intended for engineers and technicians engaged in the design, production and operation of electrical cables.

COVERAGE: The author reviews non-Soviet practices in using polyethylene in the production of different types of cables. Basic data on polyethylene properties and examples of the construction and electrical characteristics of polyethylene insulated cables are given. There are 114 references: 12 Soviet, 85 English, 15 German, 4 French, and 2 Italian.

Card 1/3

SOV/2110

Polyethylene and Its Application (Cont.)

- Ch. 4. Use of Porous Polyethylene Insulation 113  
13. Advantages of porous polyethylene insulation  
14. Main and feeder cables with porous polyethylene insulation

- Ch. 5. Polyethylene Used as Protective Cable Sheathing 124  
15. Combined metal-plastic communication cable sheathing 132  
16. High-tension cable sheathing 135

Bibliography

- Appendix: Construction of French polyethylene-insulated power cables 140

AVAILABLE: Library of Congress

TM/ad  
8-25-59

Card 3/3

Design and Electrical Characteristics (Cont.)

SOV/3858

XI, XII, and XIV (together with I.E. Yefimov); D.L. Sharle wrote Ch. I, III, VIII, and IX (together with M.A. Klimov). The authors thank P.A. Frolov. There are 157 references: 140 Soviet, 9 English, 7 German, and 1 Swedish.

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Card 2/7

LAKERMIK, R.M.; SHARLE, D.L.; SHVARTSMAN, V.O.

Survey of the general trends in the development of long-distance  
and municipal wire communications technology. Elektrosviaz' 15  
no.6:62-67 Je '61. (MIRA 14:6)

(Telegraph lines)  
(Telephone lines)

LAKERNIK, Rafail Moiseyevich; MACHERET, Lev Il'ich; PRIVEZENTSEV,  
Vladimir Alekseyevich; SHARLE, David Leonidovich; Prinimal  
uchastiy BABITSKIY, O.Sh.; SAPAROVA, A.L., red.; BORUNOV,  
N.I., tekhn. red.

[Cables and wires] Kabeli i provoda. [By] R.M.Lakernik i dr.  
Moskva, Gos. energ. izd-vo. Vol.2. [Manufacture of cables with  
paper insulation] Proizvodstvo kabelei s bumazhnoi izoliatsiei.  
(MIRA 15:4)  
1962. 526 p.  
(Electric cables)

SOROCHKIN, Naftaliy Khaimovich; CHUDAKOV, Pavel Ivanovich; SHARLE,  
David Leonidovich; Prinimal uchastiye GAVRILYUK, V.V.;  
ANTIK, I.V., red.; SOLOGUBOV, V.I., tekhn. red.

[Collection of problems on the calculation and design of  
cables and wires] Sbornik zadach po raschetu i konstruiro-  
vaniyu kablei i provodov. Moskva, Gosenergoizdat, 1963. 95 p.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0

SHARLEMAN', N. V.

"The Finding of Tartar Fox (*Vulpes Corsac L.*) and 'Cenanthus Isabellina Terni' in the Ukraine  
and Its Zoogeographical Importance," *Priroda*, No. 9, 1948. Prof.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0

SHARLEIAN', N. V.

"The Beaver in the Ukraine," Priroda, No. 3, 1949. Prof.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0

SHARPEVIT, N. V.

"White Herons in the Ukraine," Priroda, No. 10, 1949. Prof.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

1. CHARLEMAN', N.Y., Prof.
2. USSR (600)
4. Deer - Ukraine
7. Deer of Soviet Ukraine, Priroda 42 no. 4, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

USSR/Biology - Zoology

Card 1/1 Pub. 86 - 33/40

Authors : Sharleman', N. V. Professor

Title : Eels in the Dnieper River

Periodical : Priroda 3, 114-115, Mar 1954

Abstract : The discovery, in 1953, of eels (*Anguilla anguilla L.*) in the Dnieper River, in the vicinity of the city of Kiev, Ukr-SSR, is reported.

Institution : .....

Submitted : .....

SHARLEMAN<sup>1</sup>, N.V.

Significance of shore birds in the agriculture of the Ukraine.  
Zool.zhur.33 no.1:156-158 Ja-F '54. (MLRA 7:2)  
(Ukraine--Limicolae) (Limicolae--Ukraine)

SHARLEMAN', N.V.

Destruction of Hymenoptera by birds. Zool. zhur. 33 no.6:  
1420-1422 N-D '54. (MIRA 8:2)  
(Hymenoptera)(Birds--Food)

SHARLEMAN', N.V.

USSR/Biology - Zoology

Card 1/1      Pub. 86 - 32/37

Authors : Sharleman', N. V., Prof.

Title : Elks in the Ukraine

Periodical : Priroda 44/4, 119 - 120, Apr 1955

Abstract : An account is given of the existence of elks in wood regions of the Ukraine in historical times. The hunting of these animals and the cutting down of forests reduced their numbers during the last century, and the action of invading armies during the Second World War made them almost extinct. Game preservation regulations, however, have caused their numbers again to be on the increase. One Russian reference (1864).

Institution: .....

Submitted : .....

AUTHOR: Charleman', N.V., Professor (Kiiev) SOV-26-58-10-10/51

TITLE: Protecting Old Trees (Berech' staryye derev'ya)

PERIODICAL: Priroda, 1958, Nr 10, page 55 (USSR)

ABSTRACT: The author stresses the need to protect old trees with interesting natural, historical or literary associations against the ravages of local authorities, intent on cutting them down.  
There is 1 photo.

1. Trees--Preservation

Card 1/1

SHARLEMAN<sup>1</sup>, N.V.

Changes in the forest bird fauna in the environs of Kiev during  
the last 50 years. Trudy Probl. i tem. sov. no.9:241-245 '60.  
(MIRA 13:9)

(Kiev region--Birds) (Forest fauna)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0

SHARLEMAN<sup>1</sup>, N.V., prof. (Kiyev)

Trukhanov Island. Priroda 54 no.7:77-79 Jl '65.

(MIRA 18:7)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

SHARLIEV, A., arkh.

Building developments at Slunchev Briag and Zlath~~1~~ Piasutsi.  
Tekh delo 482:1 13 Jl '63.

SPARLIKOV, V.

Uchet pochтового obmena. /Estimate of postal exchange/. (Vestnik sviazi.  
Pochta. 1947, no. 9, p. 23-24). DLC: HE7.v44

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress  
Reference Department, Washington, 1952, Unclassified.

VYSHEPAN, Ye.D.; KRASNOVA, T.V.; SHARLIKOV<sub>A</sub>, L.F.

Formation of  $\alpha$ -toxin of (lecithinase C) of Bac. perfringens (type a). Bio-khimia 18 no.5:576-581 S-0 '53. (MLR 6:10)

1. Laboratoriya khimii tkaney Instituta biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR, Moscow.  
(Lecithinases) (Bacteria, Pathogenic)

SHARLIKOVА, L.F.

The increase in the resistance of rat sarcoma 45 to chloroethylamine and to ethylamine compounds. L. F. Sharlikova. *Voprosy Onkologii* 1, No. 8, 74-9 (1956). Rat sarcoma 45 was transplanted into white rats. Animals were then injected with 2,4,8-triethylenimino-x-triazine (I) as described. Under the conditions of the expts. the tissue of sarcoma 45 developed a resistance to I, which was retained in succeeding transplants of the sarcoma whether or not the rats had been previously injected with I. Similar development of resistance by sarcoma 45 was observed in connection with one of the chloroethylamines—sarcosyn. The resistance to I developed by the tissue of sarcoma 45 was extended to other chloroethylamine compds. The same was true of the resistance which sarcoma 45 developed to sarcosyn. The predisposition on the part of the sarcoma tissue to develop such drug resistance is produced in the sarcoma when an inadequate dose of any of the compds. is injected into the inoculated animal in the first place. It is suggested that this fact be taken into consideration in practical and exptl. therapy of cancer. — B. S. Levine

Lab Exptl. Chemotherapy, Inst. Exptl. Pathology  
and Therapy of Cancer

SHARLIKHOVA, L. F.: Master Med Sci (diss) -- "The development of pharmaceutical resistance in the sarcomas of 45 rats to chlorethylamines and ethylenimines". Moscow, 1958. 10 pp (Inst of Experimental Pathology and Therapy of Cancer Acad Med Sci USSR), 200 copies (KL, No 1, 1959, 125)

ZHDANOV, G.L.; SOROKINA, I.B.; KIRSANOVA, V.A.; SHARLIKHOVA, L.F.

Some principles of combined chemotherapy for tumors. Vop. onk. 6  
no. 10:77-83 O '60. (MIRA 14:1)  
(CYTOTOXIC DRUGS)

SHARLIKHOVA, L.F.; MIN', U.

Production of Jensen's sarcoma clones (single-cell tumors). Biul.  
eksp. biol. i med. 51 no.3:85-88 Mr '61. (MIRA 14:5)

1. Iz laboratorii eksperimental'noy khimioterapii (zav. - chlen-korrespondent AMN SSSR prof. L.F.Larionov, rukovoditel' raboty-kandidat meditsinskikh nauk G.L.Zhdanov) i laboratorii kul'tury tkaney (zav. - deystvitel'nyy chlen AMN SSSR A.D.Timofeyevskiy) Instituta eksperimental'noy i klinicheskoy onkologii (dir. - deystvitel'nyy chlen AMN SSSR N.N.Blokhin) AMN SSSR.  
(TUMORS)

ZHDANOV, G.L.; SHARIKOVA, L.F.

Appearance of drug resistance to alkylating agents in Jensen's  
sarcoma and its clones. Vop.onk. 7 no.12:26-31 '61. (MIRA 15:1)

1. Iz laboratorii eksperimental'noy khimioterapii (zav. -  
chlen-korrespondent AMN SSSR prof. L.F. Larionov) Instituta  
eksperimental'noy i klinicheskoy onkologii AMN SSSR (dir. -  
deystvitel'nyy chlen AMN SSSR prof. N.N. Blokhin). Adres avtorov:  
Moskva, Volokolamskoye shosse, 30, Institut eksperimental'noy i  
klinicheskoy onkologii AMN SSSR.  
(CYTOTOXIC DRUGS) (TUMORS)

SHARLIKOVА, L.F.; MIN', U.

Production of clones of the mouse ascites sarcoma 37. Vop. onk.  
(MIRA 18:8)  
10 no.5:110-111 '64.

1. Iz laboratorii eksperimental'noy khimioterapii (zav. -  
chlen-korrespondent AMN SSSR prof. L.F.Larionov) i laboratorii  
kul'tury tkanej (zav. - deystvitel'nyy chlen AMN SSSR prof.  
A.D.Timofeyevskiy) Instituta eksperimental'noy i klinicheskoy  
onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof.  
N.N.Blokhin). Adres avtorov: Moskva, I-110, ul. Shchepkina,  
61/2, korpus 9, Institut eksperimental'noy i klinicheskoy  
onkologii AMN SSSR.

SHARLIKHOVA, L.F.

Studies on the antitumor effect of some chloroethylamine thiazole derivatives. Farm. i toks. 27 no.4:490-492 Jl-Ag '64. (MIRA 17:11)

1.Laboratoriya khimioterapii (zav. - chlen-korrespondent AMN SSSR prof. Larionov, rukovoditel' raboty - kand. med. nauk G.L. Zhdanov) Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR, Moskva.

SHARLIKOVА, L.F.

Study on the sensitivity of the clones of the transplantable  
mice tumor (sarcoma 37) to antineoplastic preparations. TSitologija  
(MIRA 18:10)  
7 no.3:408-410 My-Je '65.

1. Laboratoriya eksperimental'noy khimioterapii Instituta  
eksperimental'noy i klinicheskoy onkologii AMN SSSR, Moskva.

SHARLIKOV, L.F.

Obtaining of a serotonin-resistant variant of Jensen's sarcoma  
and comparative study of the nature of this resistance. Pat.  
fiziol. i eksp. terap. 9 no.5:70-74 S-0 '65. (MIRA 19:1)

1. Laboratoriya eksperimental'noy khimioterapii (zav. - chlen  
korrespondent AMN SSSR L.F. Larionov) Instituta eksperimental'noy  
i klinicheskoy onkologii (direktor - deystvitel'nyy chlen AMN  
SSSP N.N. Blokhin) AMN SSSR, Moskva. Submitted March 25, 1964.

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CIA-RDP86-00513R001548620005-0

KUDRYAVTSEV, Ye.P., kand.tekhn.nauk; SHARLOT, A.Ya., inzh.

Mechanical design of dischargers built in the form of a triangular prism. Elektrotehnika 35 no.2:57-59 F '64. (MIRA 17:3)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620005-0"

IVANOVA, T., kand.ekonomicheskikh nauk; SHARLOT, D.

Economic efficiency of trading in the new way, Sov.torg. 35  
no.4:11-12 Ap :62. (MIRA 15:4)

1. Nachal'nik planovogo otdela Lenodezhdy, Leningrad.  
(Leningrad---Retail trade)

NEUSTROYEV, L.S.; PAVLOV, S.I.; TOPCHIYEV, G.M.; SHARLOT, V.A.

Compensatory measurements of pulse voltage. Izm.tekh.no. 4:  
53-54 Ap '64.  
(MIRA 17:7)

SHARLOT, V.M., starshiy operator ustanovki

Obtaining head fractions. Neftianik 1 no.2:15-18 D '56.

(MIRA 12:3)

1. TSekh No.11 Kuybyshevskogo neftepererabatyvayushchego zavoda.  
(Petroleum--Refining)

SHARLOT, V.M.

We are introducing advanced methods for operating a thermal cracking installation. Neftianik 2 no.12:16-17 D '57. (MIRA 11:2)

1. Starshiy operator tsekha No.11 Kuybyshevskogo neftepererabatyvayushchego zavoda.  
(Kuybyshev--Cracking process)

11(4)

SOV/92-59-3-14/44

AUTHOR: Sharlot, V.M., Staff Member of the Kubyshev Branch  
of the Giproneftezavod Special Evaporator

TITLE: Equipping the Thermal Cracking Unit With a Special  
Evaporator (Oborudovaniye ustanovki termokrekinga  
stparney volokny)

PERIODICAL: Neftyanik, 1959, Nr 3, pp 15-16 (USSR)

ABSTRACT: The author refers to the article headed "Higher Yield  
of Gasoline in Two-Furnace Thermal Cracking Units" by  
A. Ye Lipkin and L. A. Grigoryan, published in Neftyanik,  
1958, Nr 8. He agrees that the feed stock of thermal cracking  
furnaces has, as a rule, a wide fractional composition, and  
contains a considerable amount of light fractions. As a  
result, the selection of proper thermal conditions becomes  
difficult and the operation of the thermal cracking unit  
loses its effectiveness. As the experience of the refineries  
indicates, the heavy reflux actually contains up to 16 percent  
solar fractions with 300°-320°C E.P., and the light reflux  
up to 16-20 percent gasoline. Therefore, the author maintains

Card 1/2

Equipping the Thermal Cracking Unit (Cont.) SOV/92-59-3-14/44

that A. Ye Lipkin and L. A. Grigoryan are right to propose the installation of a special evaporating column. The author states, however, that there are other possibilities of increasing the amount of solar fractions in the light reflux and of decreasing its gasoline content. In this connection he describes tests made at the Kuybyshev and Novokuybyshevsk refineries, where a revised flow chart made it possible to reduce the gasoline content in the light reflux to 3-5 percent. At the same time the author expresses some doubt as to whether it would be possible to maintain a pressure of 4.1 atm. in the special evaporating column, as suggested by A. Ye Lipkin and L. A. Grigoryan.

ASSOCIATION: Kuybyshevskiy filial Giproneftezavoda (The Kuybyshev Branch of the State Institute for the Design and Planning of Oil Refineries)

Card 2/2

SHARLOV, L.V.

Organizing continuous flow production. Med.prom. 11 no.1:42-45  
(MLRA 10:2)  
Ja '57.

1. Moskovskiy zavod meditsinskikh preparatov No.1.  
(DRUG INDUSTRY)

SHARLOV, L.V.

SHARLOV, L.V.

More antibiotics for Soviet public health. Med.prom. 11 no.10:  
(MIRA 11:1)  
44-47 0 '57.  
(ANTIBIOTICS)

SHARLOV, L.V.; GINZBURG, R.Ya.

Using semiautomatic machinery for printing and gluing labels to  
bottles. Med.prom. 11 no.11:37-41 N '57. (MIRA 11:1)

1. Moskovskiy zavod meditsinskikh preparatov No.1.  
(LABELING MACHINES)

SHARLOV, L.V.

Let's put into practice the resolutions of the Twenty-first Congress  
of the CPSU. Med. prom. 13 no.5:3-5 My '59 (MIRA 12:7)

1. Moskovskiy zavod meditsinskikh preparatov No.1.  
(ANTIBIOTICS)

САФИУЛЛИН, А.С., ЧАПЛЯГИН, Я.Л., ПУШКОВ, М.А., СУРДАЕВА, М.А.  
и СЕРГЕЕВА, О.А.Ф.

Оптоцидные изменения мицелия Actinomyces viscosus в условиях ин-  
флюенса актиномицетов.

Микробиология. Vol. 1, pp 655, 1952.

1971, Ural, oil-gas field, "Neftegaz"

Using high-speed oil-gas gravimetry in prospecting for gas fields in  
the West Siberian Plain. Neftegaz.geol. i geofiz. no.114-44 '65.  
(MIRA 18:5)  
Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki  
i mineral'nykh serye.

AGRESTIK, V. V.; SOKOLOVSKAYA, N. A.

Some results of using high-precision gravimetric surveying in  
prospecting for gas fields in the West Siberian Plain.  
Trudy SNIIGGMS no. 3049-67 '64 (NEFA 1961)

SHARLOVSKAYA, M.S.

Studying heat transfer in a boiling layer by the method of a quasi-stationary condition. Izv. Sib. otd. AN SSSR no.7:62-74 '58.  
(MIRA 11:9)

1.Zapadno-Sibirskiy filial AN SSSR.  
(Heat--Transmission)

SHARLOVSKAYA, M.S.

Heat exchange and hydrodynamics in the transition zone of the  
"boiling" layer of granular materials. Izv. Sib. otd. AN SSSR  
no.10:88-95 '58. (MIRA 11:12)

1.Zapadno-Sibirskiy filial AN SSSR.  
(Hydrodynamics) (Heat--Transmission)